

L9 ANSWER 18 OF 29 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1974:554485 CAPLUS

DOCUMENT NUMBER: 81:154485

TITLE: Water- and oil-repelling products for wet treating of
fibers

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PATENT ASSIGNEE(S): Daikin Kogyo Co., Ltd.

SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 48023684	A2	19730327	JP 1971-57824	19710730
PRIORITY APPLN. INFO.:			JP 1971-57824	19710730
AB Maleic anhydride and (or) maleic acid (I) [110-16-7] are added to an aq. dispersion of a copolymer with C3-21 fluoroalkyl pendant groups derived from CH ₂ :CRCO ₂ CH ₂ CH(O ₂ CR ₁)CH ₂ R ₂ (R = H or Me, R ₁ = C1-17 alkyl, R ₂ = perfluoroalkyl) and ***acrylic*** acid, methacrylic acid, and (or) their esters to give a water- and oil-repellent agent. Thus, a nylon textile was immersed in an ***emulsion*** contg. 0.5 wt. % I and 0.5 wt. % 2-ethylhexyl methacrylate-N-methylolacrylamide-3-[7-(trifluoromethyl)perfluorooctyl]-2-acetoxypropyl ***acrylate*** copolymer [***52830-82-7***], squeezed to 50% pickup, dried 10 min at 88.deg., and heated 3 min at 140.deg.. The textile had water repellency (JIS L 1004-22) 80 and oil repellency (AATCC 118-66T) 7.				

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